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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number 09/632,722
Filing Date August 4, 2000
First Named Inventor Himmelspach
Art Unit 1653
Examiner Name Robinson, Hope A.
Attorney Docket Number 20695C-005700US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
HAR	A1	US-4,359,049	11-16-1982	Redl et al.	—
	A2	US-4,501,731	02-26-1985	Tishkoff et al.	—
	A3	US-4,735,616	04-05-1988	Eibl et al.	—
	A4	US-5,460,950	10-24-1995	Barr et al.	—
	A5	US-5,597,799	01-28-1997	Wolf	—
	A6	US-5,635,481	06-03-1997	Wolf	—
	A7	US-5,858,658	01-12-1999	Haemmerle et al.	—
	A8	US-6,210,929 B1	04-03-2001	Schlokot et al.	—
	A9	US-6,562,598 B1	05-13-2003	Himmelspach et al.	—

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ²	Kind Code ⁴ (if known)				
HAR	B1	EPO	EP 0 651 054	A1	03-05-1995	—	—	<input type="checkbox"/>
	B2	PCT	WO 94/29370	A1	12-22-1994	—	—	<input type="checkbox"/>

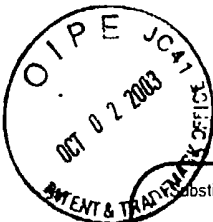
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **2** of **3**

Complete if Known

Application Number	09/632,722
Filing Date	August 4, 2000
First Named Inventor	Himmelspach
Art Unit	1653
Examiner Name	Robinson, Hope A.
Attorney Docket Number	20695C-005700US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	BAJAJ, S. & MANN, K. "Simultaneous Purification of Bovine Prothrombin and Factor X." <i>J. Biol. Chem.</i> , November 25, 1973, pp. 7729-7741, Vol. 248, No. 22.	
	C2	BARR, P.J. "Mammalian Subtilisins: The Long-Sought Dibasic Processing Endoproteases." <i>Cell</i> , 1991, pp. 1-3, Vol. 66.	
	C3	CLACKSON, T. et al. <u>PCR A Practical Approach: General Applications of PCR to Gene Cloning and Manipulation</u> . Eds. McPherson, Quirke and Taylor, 1991, pp. 187-214.	
	C4	EBY, C.S. et al. "Characterization of the Structure and Function of the Carboxy Terminal Peptide of Human Factor X." <i>Blood</i> , 1992, pp. 1214, Vol. 80, Suppl. 1, Abstract only.	
	C5	ELSINGER, R. <u>Laboratory Tests of Activated Prothrombin Complex Preparations, Activated Prothrombin Complex Concentrates</u> , 1982, pp. 77-87 Chapter 11, Eds. Mariani, Russo and Mandelli, Praeger Publishers, U.S.A.	
	C6	FAIR, D.S. and BAHNAK, B.R. "Human Hepatoma Cells Secrete Single Chain Factor S, Prothombin, and Antithrombin III." <i>Blood</i> , July 1984, pp. 194-204, Vol. 64, No. 1.	
	C7	FISCHER et al. "Structural Analysis of Recombinant von Willebrand Factor: Identification of hetero- and homo-dimers". <i>FEBS Lett.</i> , 1994, pp. 345-348, Vol. 351.	
	C8	FUNG, M. et al. "Characterization of an almost full-length cDNA coding for human blood coagulation factor X." <i>Proc. Natl. Acad. Sci. USA</i> , June 1985, pp. 3591-3595, Vol. 82.	
	C9	GILES, A. et al. "A combination of factor Xa and phosphatidylcholine-phosphatidylserine vesicles bypasses factor VIII <i>in vivo</i> ." <i>British J. Haematology</i> , 1988, pp. 491-497, Vol. 69.	
	C10	GORDON, V.M. et al. "Proteolytic Activation of Bacterial Toxins by Eukaryotic Cells is Performed by Furin and by Additional Cellular Proteases." <i>Infect. Immunol.</i> , 1995, pp. 82-87, Vol. 63.	
	C11	HIMMELSPACH, M. et al. "Alteration of the Specificity of FX Activation by Substitution of Amino Acids Constituting its Activation Site". <i>XVII Congress of the International Society on Thrombosis and Haemostasis</i> , 1999, p. 758.	
	C12	JESTY, J. et al. "The Mechanism of Activation of Factor X: Kinetic Control of Alternative Pathways Leading to the Formation of Activated Factor X." <i>J. Biol. Chem.</i> , September 10, 1974, pp. 5614-5622, Vol. 249, No. 17.	
	C13	LEYTUS, S. et al. "Characterization of cDNA coding for human factor X." <i>Proc. Natl. Acad. Sci. USA</i> , June 1984, pp. 3699-3702, Vol. 81.	
	C14	LEYTUS, S. et al. "Gene for Human Factor S: A Blood Coagulation Factor Whose Gene Organization is Essentially identical with that of Factor IX and Protein C." <i>Biochem.</i> , 1986, pp. 5098-5102, Vol. 25.	
	C15	MERTENS, K. & BERTINA, R. "Pathways in the Activation of Human Coagulation Factor X." <i>Biochem. J.</i> , 1980, pp. 647-658, Vol. 185.	
	C16	MESSIER, T. et al. "Cloning and expression in COS-1 cells of a full-length cDNA encoding human coagulation factor X." <i>Gene</i> , 1991, pp. 291-294, Vol. 99, Elsevier.	
	C17	MOEHRING, J.M. & MOEHRING, T.J. "Strains of CHO-K1 Cells Resistant to Pseudomonas Exotoxin A and Cross-Resistant to Diphtheria Toxin and Viruses." <i>Infection and Immunity</i> , 1983, pp. 998-1009, Vol. 41.	

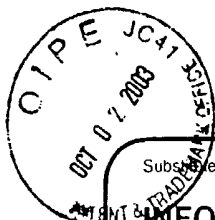
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**INFORMATION DISCLOSURE
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Sheet 3 of 3

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First Named Inventor	Himmelspach
Art Unit	1653
Examiner Name	Robinson, Hope A.
Attorney Docket Number	20695C-005700US

NON PATENT LITERATURE DOCUMENTS

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HR	C18	MORITA et al. "Structural and Functional Characteristics of a Proteolytically Modified 'Gla Domain-less' Bovine Factor X and Xa (des light chain residues 1-44)." <i>General Biochem.</i> , 1980, p. 219, Vol. 92, Abstract No. 92-71374k.	
	C19	NGO et al. <u>Computational Complexity, Protein Structure Prediction and the Levinthal Paradox in the Protein Folding Problem and Tertiary Structure</u> , 1994, Eds. F. Mez, Jr. and Le Grand, Birkhauser, Boston.	
	C20	OHNISHI, Y. et al. "A Furin-Defective Cell Line is Able to Process Correctly the gp160 of Human Immunodeficiency Virus Type 1." <i>J. Virol.</i> , 1994, pp. 4075-4079, Vol. 68	
	C21	PRYZDIAL, E. & FESSLER, G. "Autoproteolysis or Plasmin-mediated Cleavage of Factor Xaa Exposes a Plasminogen Binding Site and Inhibits Coagulation." <i>J. Biol. Chem.</i> , July 12, 1996, pp. 16614-16620, Vol. 271, No. 28.	
	C22	PRYZDIAL, E. & FESSLER, G. "Kinetics of Blood Coagulation of Factor Xaa Autoproteolytic Conversion of Factor Xaa." <i>J. Biol. Chem.</i> , July 12, 1996, pp. 16621-16626, Vol. 271, No. 28.	
	C23	PEHEMULLA, A. & KAUFMAN, R.J. "Preferred Sequence Requirements for Cleavage of Pro-von Willebrand Factor by Propeptide-Processing Enzymes." <i>Blood</i> , 1992, pp. 2349-2355, Vol. 79.	
	C24	RUDOLPH, A.E. et al. "Expression, Purification and Characterization of Recombinant Human Factor X ¹ ." <i>Protein Expression and Purification</i> , 1997, pp. 373-378, Vol. 10.	
	C25	SHERPILL, G.B. et al. "Inactivation of Human Blood Coagulation Factor X by Chemical Modification of Gamma-Carboxyglutamic Acid Residues." <i>Enzymes</i> , 1985, p. 239, Vol. 102, Abstract No. 102-2489q.	
	C26	TENG, C. & SEEGER, W. "Production of factor X and factor Xa variants with thrombin, acutin and by autolysis." <i>Thrombosis Research</i> , 1981, pp. 213-220, Vol. 22.	
	C27	URLAUB, G. & CHASIN, L. "Isolation of Chinese hamster cell mutants deficient in dihydrofolate reductase activity." <i>Proc. Natl. Acad. Sci. USA</i> , July 1980, pp. 4216-4220, Vol. 77, No. 7.	
	C28	WALLIN, R. et al. "Intracellular Proteolytic Processing of the Two-Chain Vitamin K-Dependent Coagulation Factor X." <i>Thrombosis Res.</i> , 1994, pp. 395-403, Vol. 73.	
	C29	WATZKE, H. & HIGH, K. "Factor X." <u>Molecular Basis of Thrombosis and Hemostasis</u> , 1995, pp. 239-255, Chapter 11, Eds. High and Roberts.	
	C30	WELLS et al. "Additivity of Mutational Effects In Proteins." <i>Biochemistry</i> , 1990, pp. 8509-8517, Vol. 29, No. 37.	
	C31	WOLF, D. et al. "Design of Constructs for the Expression of Biologically Active Recombinant Human Factors X and Xa." <i>J. Biol. Chem.</i> , July 25, 1991, pp. 13726-13730, Vol. 266, No. 21.	

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